

Daily GLOWBUGS

Digest: V1 #108

via AB4EL Web Digests @ SunSITE

Purpose: building and operating vacuum tube-based QRP rigs

[AB4EL Ham Radio Homepage @ SunSITE](#)

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Subject: glowbugs V1 #108

glowbugs

Wednesday, September 10 1997

Volume 01 : Number 108

Date: Tue, 09 Sep 1997 10:58:59 +0100

From: BOB DUCKWORTH <bob@atl.org>

Subject: Re: RS transformers

Bill and the gang-

Thanks for writing Bill.

I agree, buying them and trying is lousy engineering. Buying one and looking at the materials used will tell pretty quickly though and I'd be surprised if they were not good for a KV. Finding it difficult to imagine building a transformer with only 150V insulation, even if I tried :-)

- -bob

Bill Turner wrote:

> The only fly in the ointment is the insulation resistance between
> primary and secondary. The original design required that they
> withstand only about 150 vrms, and you're going to ask them to handle
> five or six times that much. Maybe they'll take it, maybe they won't.
> Without knowing the design specs, you're taking a chance. It might be
> fun to try 'em out, but it's lousy engineering.
>
> 73, Bill W7TI

Date: Tue, 9 Sep 1997 08:54:17 -0700 (MST)

From: Jeff Duntemann <jeffd@coriolis.com>

Subject: Re: 12 Oscillator ckts in 73

>Jeff: DON Hoisington did some articles on super-modulation
>techniques (a.k.a. DSB reduced carrier) but it was published in CQ

>magazine and I believe it was 1958..

>

>I once visited his AMAZING shack in Florence, Alabama - His call is
>either W4CJL or W4CJY or something like that..

>

>He is still occasionally active on AM and has his basement full of
>homebrew AM rigs using handy things like 833 and 4-1000A tubes
>built on open frame wooden chassises! He is QUITE a character let me
>tell you!

No, this was definitely Bill Hoisington, and he was in 1-land; I think K1CLL or maybe W1CLL. His projects were pretty wild stuff, like my PC lashups only weirder, with tin cans and copper strapping and all kinds of other Flash Gordon stuff sticking out all over the place. I never tried to build any of it (which might be just as well) but for a kid back then without the fancy shop I have today, trying to duplicate the League's immaculate lab-produced projects (with leads that always bent at perfect right angles) seemed a much more remote possibility than replicating a Hoisington circuit.

He was shown in a recent ELECTRIC RADIO issue, still hale and working AM, though I would have to guess he's about 300 years old by now, since he always referred to himself as an "old guy" in the Sixties and Seventies.

Maybe Don's a son or brother; such things do run in families.

- --73--

- --Jeff Duntemann KG7JF
Scottsdale, Arizona

Date: Tue, 9 Sep 1997 15:23:58 -0500 (CDT)
From: gekko95@ix.netcom.com (Dave)
Subject: Fire update...

Hello all,

First and foremost, I want to thank each and every one of you who replied, which is almost everyone on the list. That picked my spirits up and helped more than you know. I also want to thank all who have offered replacement goodies should I need them. As I get settled in after clean-up, I will probably post some 'wants', or requests for prices on some of the destroyed gear for insurance purposes.

Thank you thank you thank you.

As for the cause of the fire, it wasn't the illegal weapons stored two units down from mine. Yes, the gun powder did blow up, and the cops found illegally modified weapons, but it turns out that wasn't the cause - it was a pot growing operation in the unit right behind mine. The idiots were using a 250,000 BTU 'jet engine' style space heater, like you find on construction sites, to keep their damn plants warm. They pointed it at cardboard boxes for some reason. The huge propane tank blew up shortly thereafter.

Why would you put a heater like that in a 5 x 15 foot storage locker? Makes me wonder if they smoked all of their product.

Thank God we had insurance - and I'm told in criminal cases, the payoffs are seldom argued and are always more than fair. Plus, a team of lawyers was in the place discussing a class action suit against the growers and the complex itself. Not that I'm for that sort of thing, but it's going to happen anyway.

So now back to the heap to keep sifting for the valuable little stuff. Found my J-38 key from my novice days, so all isn't lost!

Again, very best regards to all, and a thousand thanks from me and my family for the outpouring of support. What a GREAT bunch of people!

Take care all, God bless, and best of 73's

Dave WB7AWK
Tacoma, WA

Date: Wed, 10 Sep 1997 15:37:40 -0400
From: "Brian Carling" <bry@mnsinc.com>
Subject: Re: RS transformers

On 8 Sep 97 at 22:27, BOB DUCKWORTH wrote:

> O.K. so let's say Shane buys 6 of these transformers and
> puts the 25V sides in series and the secondaries in series paying
> attention to phase.
> Now he's got roughly 6 x 90V or 540V at 550ma available.
> Run a full wave and big caps and he's got about 700V at
> 800ma for a 50% duty cycle service.

And for the same money he could probably go to a hamfest and buy one REALLY good transformer that will do the same job in less of a footprint! (grin!)

> Hey, I should take my 2 x 2200V microwave oven transformers
> and series the secondaries and parallel primaries and get
> 5KV or so at half an amp for the 4-1000 :-)

YOWZAH! Nice one!

Bry

*** 73 from Radio AF4K/G3XLQ Gaithersburg, MD USA *
** E-mail to: bry@mnsinc.com *
*** See the interesting ham radio resources at: *
** <http://www.mnsinc.com/bry/> *

AM International #1024, TENTEN #13582. GRID FM19
Rigs: Valiant, DX-60/HG-10, Eldico TR-75, Millen 90810

FT-840, TM-261, Ameco TX-62, Gonset Communicator III
HTX-202...TEN-TEN #13582, DXCC #17,763 Bicentennial WAS

End of glowbugs V1 #108

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